

Title (en)
Remote control residential circuit breaker

Title (de)
Fernbedienter Haushaltsschutzschalter

Title (fr)
Disjoncteur domestique télécommandé

Publication
EP 0535844 B1 19970618 (EN)

Application
EP 92308629 A 19920923

Priority
US 76802991 A 19910930

Abstract (en)
[origin: EP0535844A1] A remote control residential and commercial lighting and appliance branch circuit breaker (20) provides both overload current protection and load management. Structure is provided enabling packaging in a three-quarter inch width case (22), including a first set of contacts in the case provided by a pair of separable overload breaker contacts (44, 46), trip structure (48) in the case for causing separation of the overload breaker contacts in response to overload currents therethrough, a second set of contacts in the case provided by a pair of switching relay contacts (150, 152) having open and closed conditions and electrically connected in series with the overload breaker contacts, and an actuator (154) in the case energizable to mechanically actuate the switching relay contacts. Feedback circuitry is included providing status indication of the condition of the switching relay contacts. Structure is provided for reducing actuator and spring requirements and sizes. <IMAGE>

IPC 1-7
H01H 73/00; H01H 73/12

IPC 8 full level
H01H 71/68 (2006.01); **H01H 71/04** (2006.01); **H01H 73/12** (2006.01); **H01H 73/14** (2006.01); **H01H 89/06** (2006.01); **H01H 1/54** (2006.01); **H01H 47/06** (2006.01); **H01H 50/54** (2006.01); **H01H 50/66** (2006.01); **H01H 71/46** (2006.01); **H01H 71/52** (2006.01); **H01H 71/74** (2006.01)

CPC (source: EP US)
H01H 71/04 (2013.01 - EP US); **H01H 73/14** (2013.01 - EP US); **H01H 89/06** (2013.01 - EP US); **H01H 1/54** (2013.01 - EP US); **H01H 47/06** (2013.01 - EP US); **H01H 50/541** (2013.01 - EP US); **H01H 50/66** (2013.01 - EP US); **H01H 71/46** (2013.01 - EP US); **H01H 71/524** (2013.01 - EP US); **H01H 71/7436** (2013.01 - EP US); **H01H 2071/086** (2013.01 - EP US); **H01H 2300/03** (2013.01 - EP US); **Y02B 90/20** (2013.01 - EP US); **Y04S 20/14** (2013.01 - EP US)

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EP1237171A3; GB2399958A; EP2333805A1; EP1237172A3; FR2953987A1; CN104054152A; US8605405B2; WO2013077990A1; WO2023208490A1; WO03012813A1; WO9738431A1

Designated contracting state (EPC)
CH DE ES FR GB LI SE

DOCDB simple family (publication)
EP 0535844 A1 19930407; EP 0535844 B1 19970618; CA 2078473 A1 19930331; CA 2078473 C 19980901; DE 69220440 D1 19970724; DE 69220440 T2 19980102; DE 69230678 D1 20000316; DE 69230678 T2 20000727; EP 0764961 A1 19970326; EP 0764961 B1 20000209; ES 2104838 T3 19971016; ES 2143706 T3 20000516; JP H05217487 A 19930827; MX 9205590 A 19930301; US 5301083 A 19940405

DOCDB simple family (application)
EP 92308629 A 19920923; CA 2078473 A 19920917; DE 69220440 T 19920923; DE 69230678 T 19920923; EP 96118434 A 19920923; ES 92308629 T 19920923; ES 96118434 T 19920923; JP 28405892 A 19920929; MX 9205590 A 19920930; US 76802991 A 19910930